

MARTINEZ

"Cellular Communications Handsets Having Variable  
Appearance Housings And Methods Therefor"

Atty. Docket No. CS10862

Appl. No. 10/084,965

Confirm. No. 2203

Examiner R. Osorio, Art Unit 2673

Claims 1-9 (Canceled).

10. (Currently Amended) An electronic device, comprising:

electrical hardware;

a housing disposed about at least a portion of the electrical  
hardware,

at least a portion of the housing comprising a variable input  
responsive variable appearance portion,

a control circuit having a user variable output coupled to the  
variable input responsive variable appearance portion of the housing,

whereby the variable input responsive variable appearance  
portion of the housing changes appearance in response to the user [a] variable  
output of the control circuit [input].

Claim 11 (Canceled).

Claim 12 (Canceled).

Claim 13 (Canceled).

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14. (Original) The electronic device of Claim 10, the variable input responsive variable appearance portion of the housing is a light emitting polymer material.

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15. (Currently Amended) The electronic device of Claim 10, the variable input responsive variable appearance portion of the housing is an electro-chromic material, the ~~[a-color]~~ control circuit having a variable voltage output coupled across the electro-chromic material.

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16. (Original) The electronic device of Claim 15, the electro-chromic material is an electro-chromic polymer.

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17. (Currently Amended) The electronic device of Claim 15, the electro-chromic material includes an anodically coloring polymer layer and a cathodically coloring layer separated by a solid-state gel electrolyte layer, the anodically and cathodically coloring layers disposed between first and second transparent conducting layers ~~[, the control circuit having a first output coupled to the first transparent conducting layer, the control circuit having a second output coupled to the second transparent conducting layer by a variable resistance element].~~

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18. (Currently Amended) The electronic device of Claim 17 [15],  
the electro-chromic material includes first and second transparent insulating  
layers, the first and second transparent conducting layers disposed between  
the first and second insulating layers.

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Claim 19 (Canceled).

Claim 20 (Canceled).

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21. (Original) A method in a wireless communications handset  
having an outer housing with a variable input responsive variable appearance  
property portion, comprising:

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providing a user variable input to the wireless communication  
handset;

varying a variable appearance property of the variable input  
responsive variable appearance property portion of the housing in response to  
the user variable input applied to the wireless communication handset.

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22. (Currently Amended) The method of Claim 21, providing the  
user variable input by selecting a voltage applied by an electrical control circuit  
having a variable voltage output coupled to an electro-chromic portion of the  
housing [~~varying the variable appearance property by changing a color of the~~

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~~electro-chromic portion of the housing in response to a variable voltage  
applied thereto].~~

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Claim 23. (Canceled)

24. (New) The method of Claim 21, varying the variable  
appearance property by changing a color of the electro-chromic portion of the  
housing in response to a variable voltage applied thereto.

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25. (New) The electronic device of Claim 10, the electro-chromic  
material includes an anodically coloring polymer layer and a cathodically  
coloring layer separated by a solid-state gel electrolyte layer, the anodically  
and cathodically coloring layers disposed between first and second transparent  
conducting layers.

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26. (New) The electronic device of Claim 17, the control circuit  
having a first output coupled to the first transparent conducting layer, the  
control circuit having a second output coupled to the second transparent  
conducting layer by a variable resistance element.

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